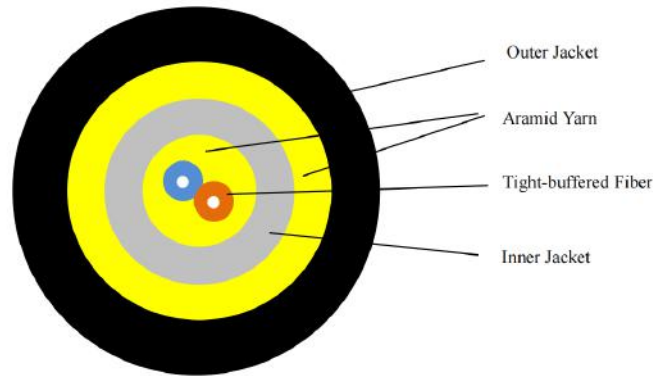


## Indoor/Outdoor Tight Buffer Fiber Optic Drop Cable 4.5mm 2 Core SM G652D Aramid Yarn Double Jacket LSZH



### Technical data

No. of cable		2
Fiber Model		G.6557A1/G.6557A2
Strength Member	Material	Aramid yarn
Tight buffer	Material	LSZH
	Color	White
	Thickness (±0.03) mm	0.32
	Diameter (±0.05) mm	0.9
Inner Sheath	Material	LSZH
	Color	Ivory
	Thickness (±0.05) mm	0.45
	Diameter (±0.1) mm	2.9
Outer Sheath	Material	LSZH
	Color	Black
	Thickness (±0.1) mm	0.5
Cable Diameter (±0.1) mm		4.5
Cable Weight (±2) kg/km		20
Min. bending radius	Without Tension	15× Cable- φ
	Under Maximum Tension	30× Cable- φ
Temperature range (°C)	Installation	-20~+60
	Transport&Storage	-30~+70
	Operation	-20~+60

### Application:

NO.	Item		Requirement
1	Allowable Tensile Strength	Short Term	800N
		Long Term	200 N
2	Allowable Crush Resistance	Short Term	500(/100mm)
		Long Term	150 (/100mm)

### Fiber Parameters

No.	Items	Unit	Specification	Specification	Specification	
			G.652D	G.657A1	G.657A2	
1	Mode Field Diameter	1310nm	$\mu\text{m}$	$9.1\pm 0.4$	$8.8\pm 0.4$	$8.8\pm 0.4$
		1550nm	$\mu\text{m}$	$10.4\pm 0.5$	$9.8\pm 0.5$	$9.8\pm 0.5$
2	Cladding Diameter	$\mu\text{m}$	$125\pm 1$	$125\pm 0.7$	$125\pm 0.7$	
3	Cladding Non-Circularity	%	$\leq 1$	$\leq 0.7$	$\leq 0.7$	
4	Core-Cladding Concentricity Error	$\mu\text{m}$	$\leq 0.6$	$\leq 0.5$	$\leq 0.5$	
5	Coating Diameter	$\mu\text{m}$	$245\pm 7$	$245\pm 5$	$245\pm 5$	
6	Coating Non-Circularity	%	$\leq 6.0$	$\leq 6.0$	$\leq 6.0$	
7	Cladding-Coating Concentricity Error	$\mu\text{m}$	$\leq 12.0$	$\leq 12.0$	$\leq 12.0$	
8	Cable Cutoff Wavelength	nm	$\lambda_{cc}\leq 1260$	$\lambda_{cc}\leq 1260$	$\lambda_{cc}\leq 1260$	
9	Attenuation (max.)	1310nm	dB/km	$\leq 0.34$	$\leq 0.35$	$\leq 0.35$
		1550nm	dB/km	$\leq 0.2$	$\leq 0.21$	$\leq 0.21$
10	Macro-Bending Loss	1turn×10mm radius @1550nm	dB	/	$\leq 0.75$	$\leq 0.1$
		1turn×10mm radius @1625nm	dB	/	$\leq 1.5$	$\leq 0.2$
		1turn×7.5mm radius @1550nm	dB	/	/	$\leq 0.2$
		1turn×7.5mm radius @1625nm	dB	/	/	$\leq 0.5$